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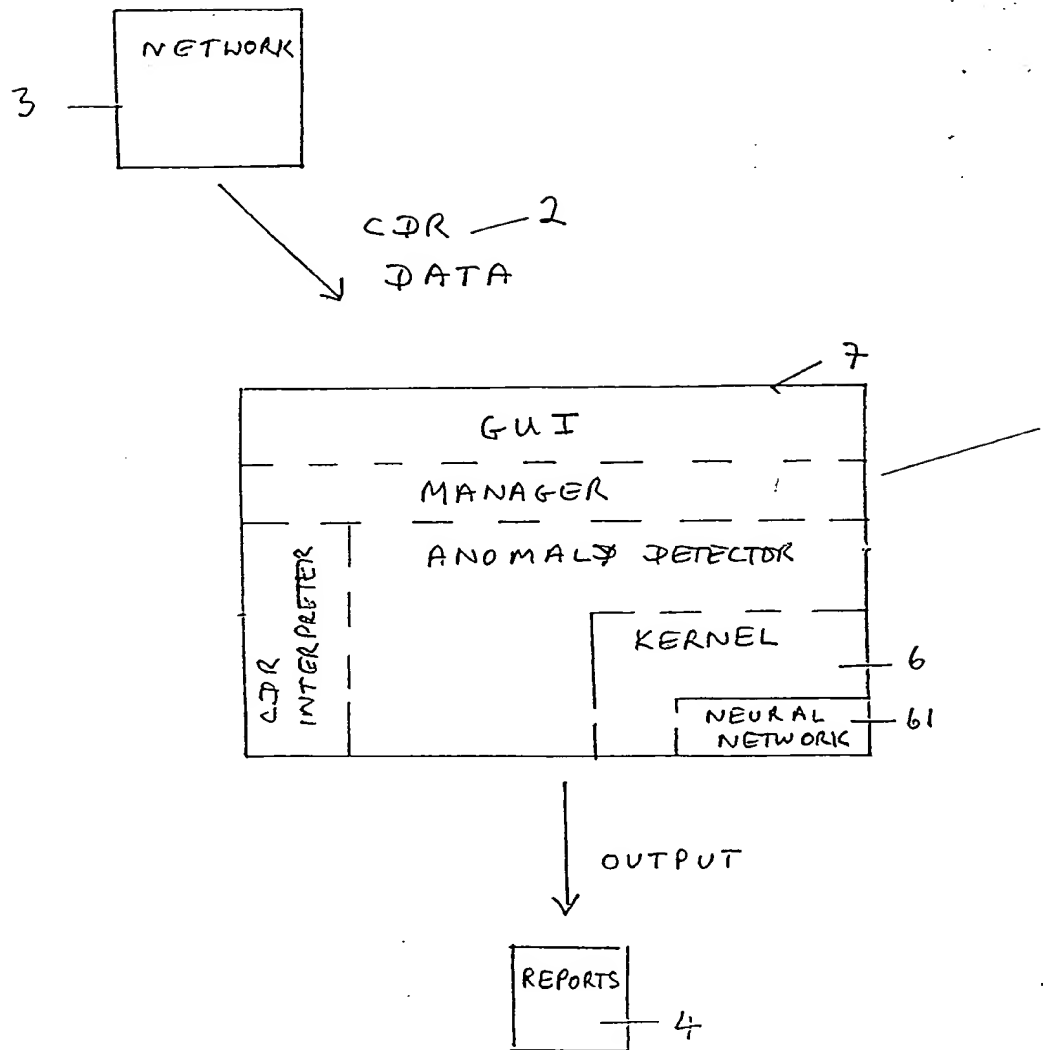


FIGURE 1

Anomaly Detection Applications

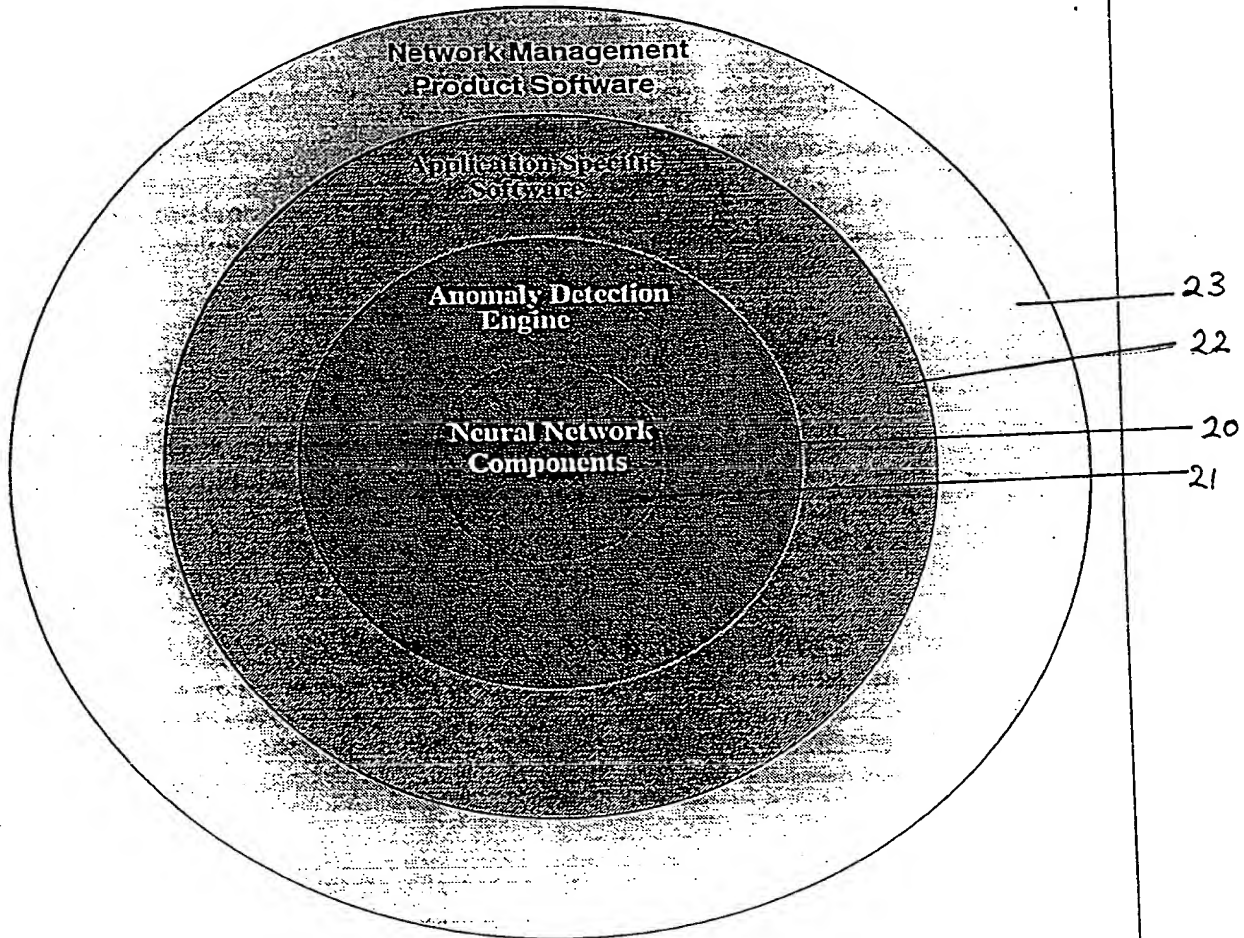


FIGURE 2.

2025 RELEASE UNDER E.O. 14176

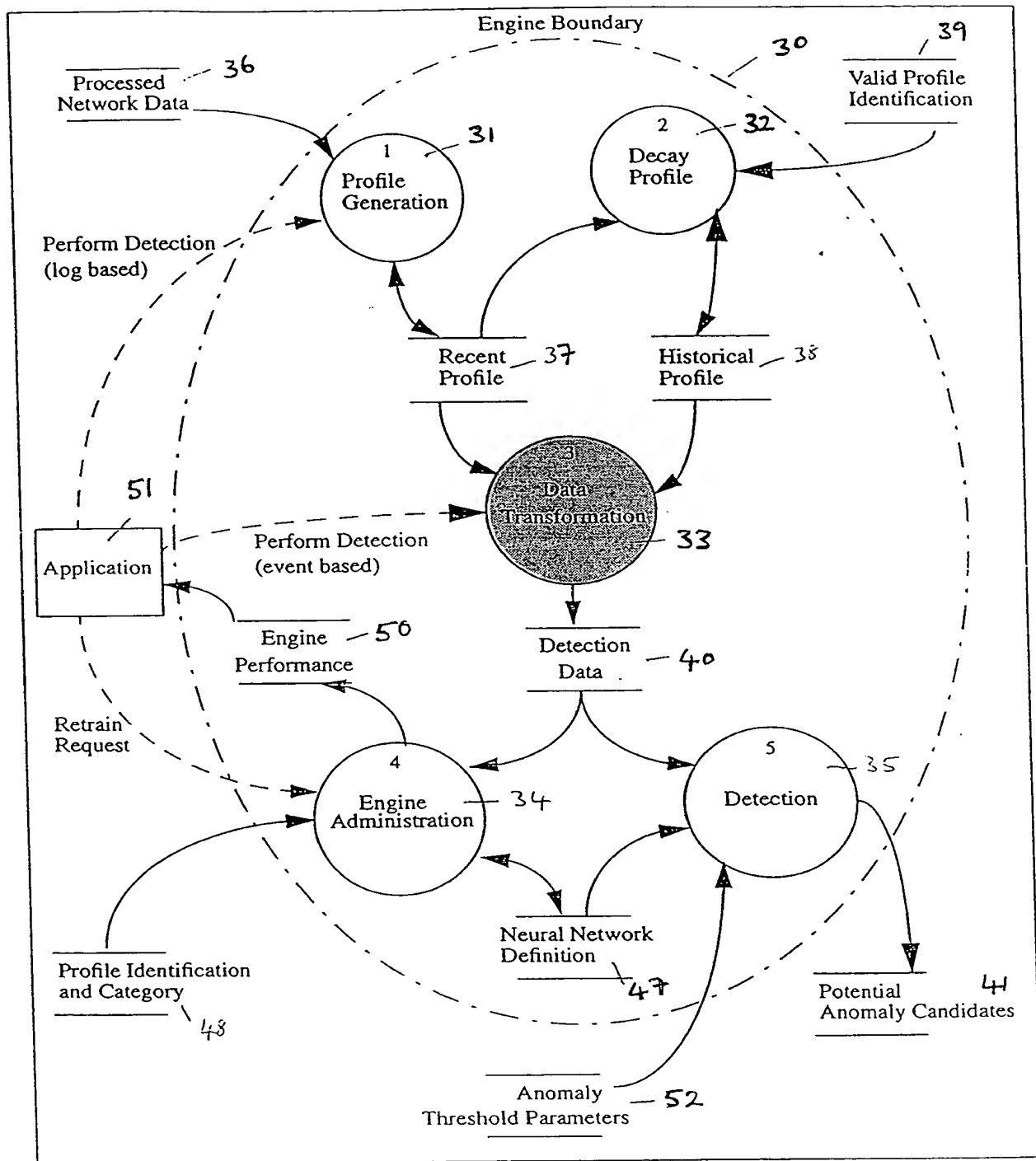


FIGURE 3

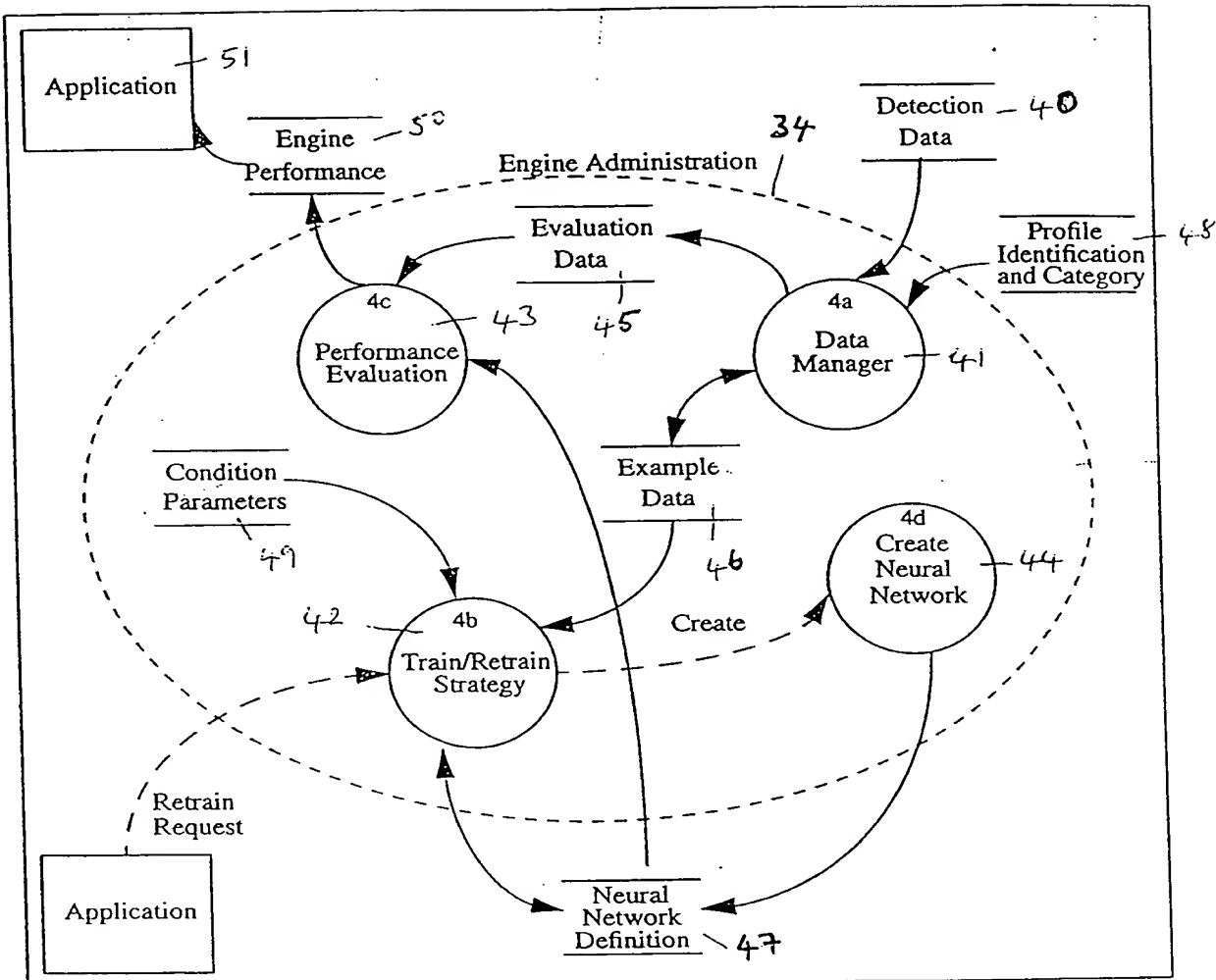


FIGURE 4

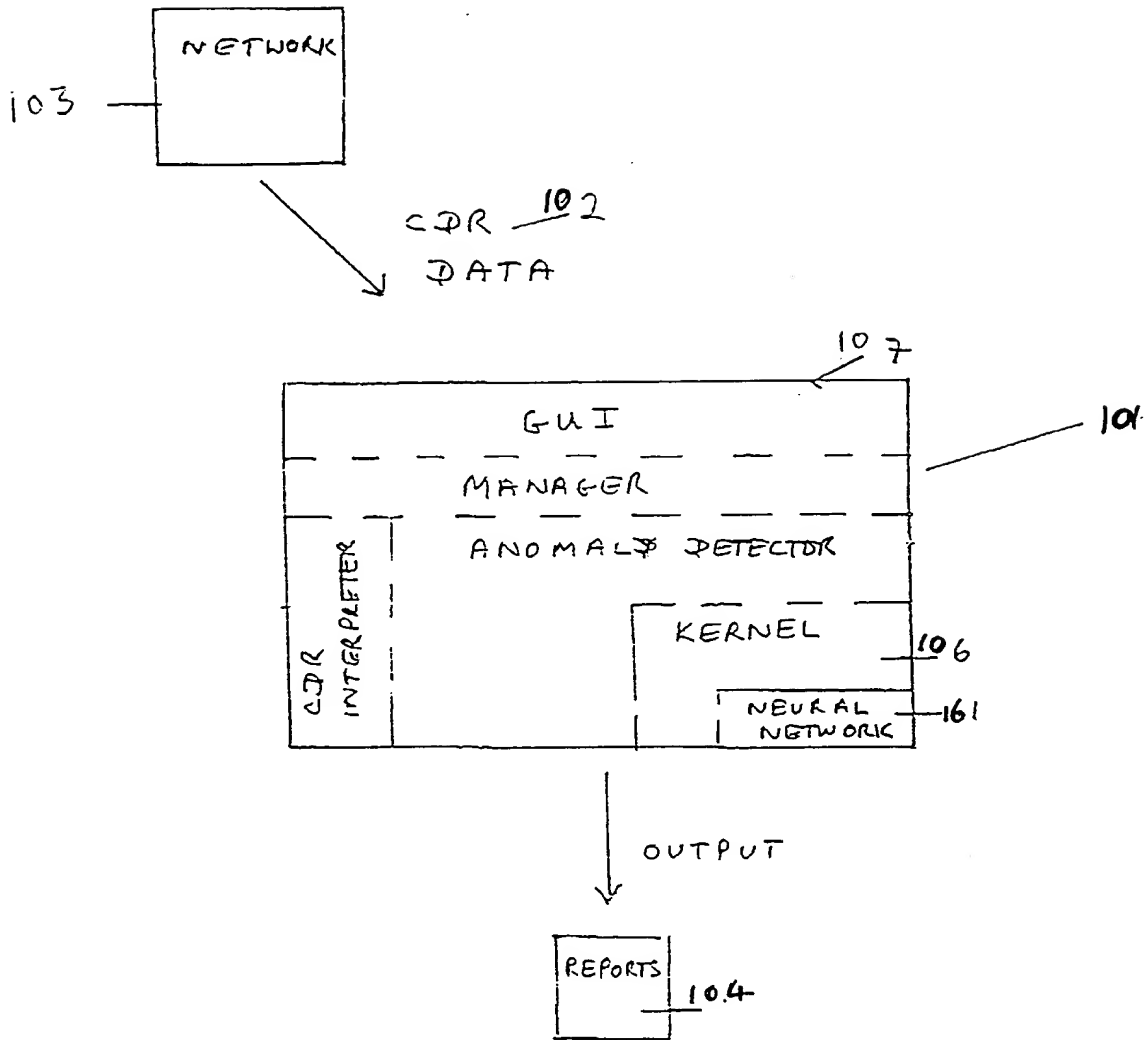


FIGURE 5

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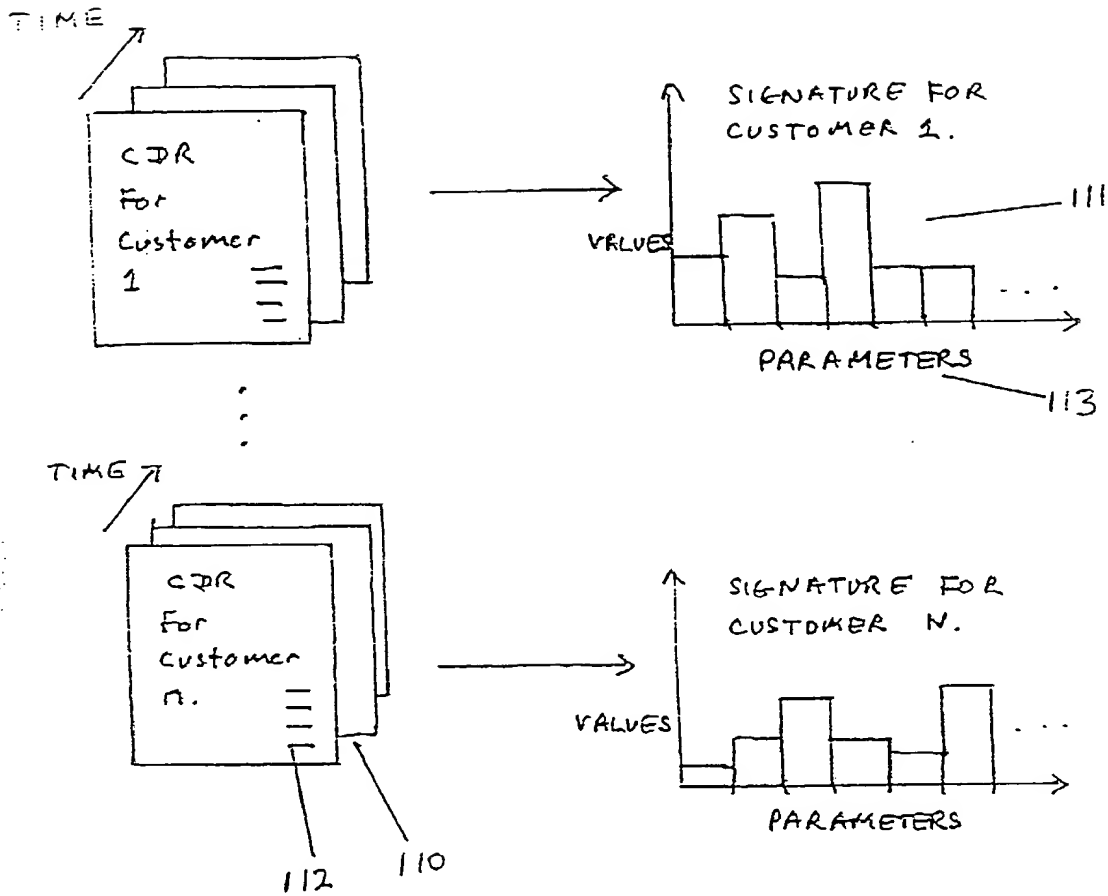


FIGURE 6

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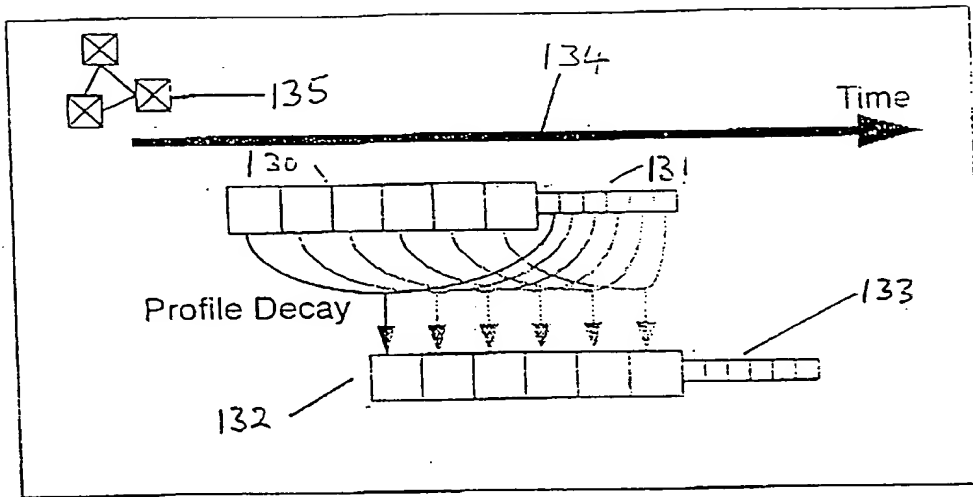


FIGURE 7

Profile Decay

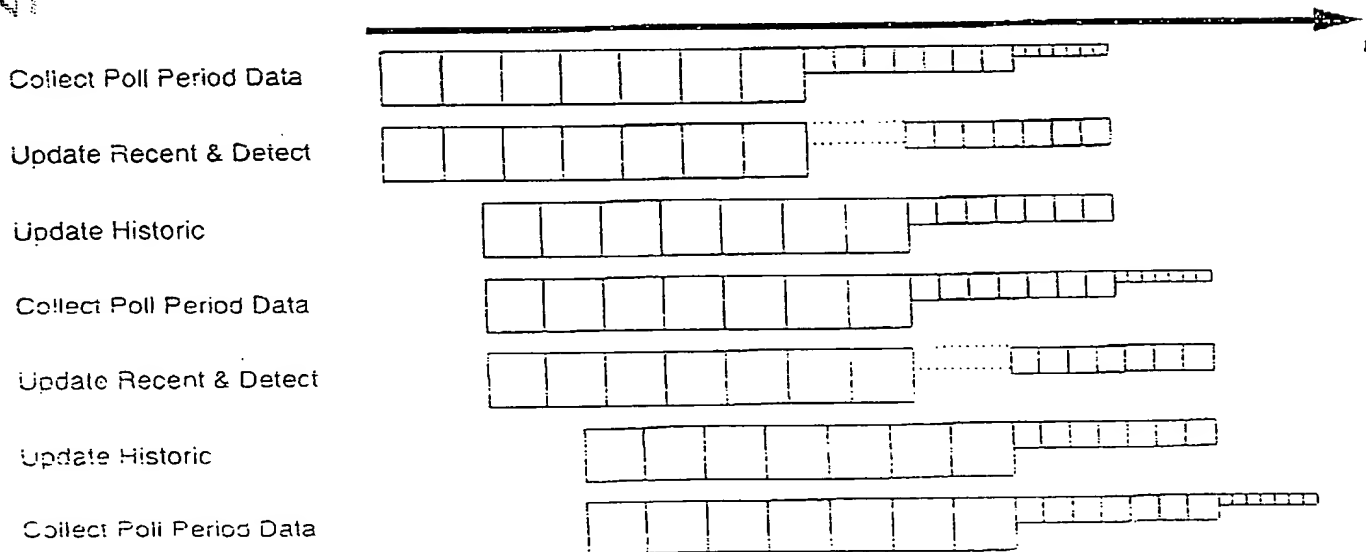


FIGURE 8

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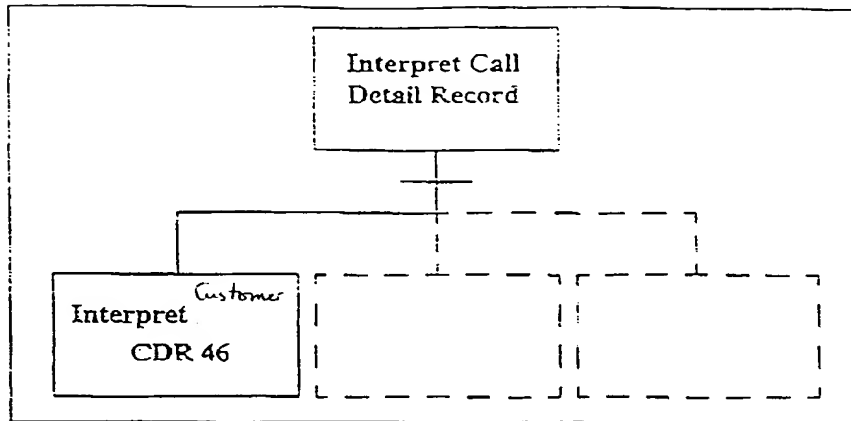


FIGURE 9

Element Name	Position (From 0)	Format
CALL_START_DT	9	YYYY-MM-DD HH:MM:SS.ss
LONG_DUR_CALL_IND	12	1 — First 6 hours 2 — Middle 3 — Completed
SERVICE_FEATURE_CODE	15	00 — Other 10 — Three way calling 12 — Call forwarding 14 — Call forward busy
ORIG_TELNO	16	CHAR(24)
CALL_DURATION	20	MMMMSS
ORIG_NNG	22	DDDD
DEST_NNG	23	DDDD
DAY_OF_WEEK	24	1-7 (Mon=1, Sun=7)

FIGURE 10

160707Z FEB 80
FM JCRC
TO: JCRC
INFO: JCRC
SUBJ: JCRC
PRIORITY: PRIORITY
CLASSIFICATION: UNCLASSIFIED
CONTROL: JCRC

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Attribute name	Type
AccountNumber	String
CallForward	Boolean
LongCall	Boolean
Duration	Integer
Destination	Enum {Local, National, International}
171 — DayOfWeek	Enum {Monday, Tuesday,, Sunday}
172 — CallTime	Time

FIGURE 11

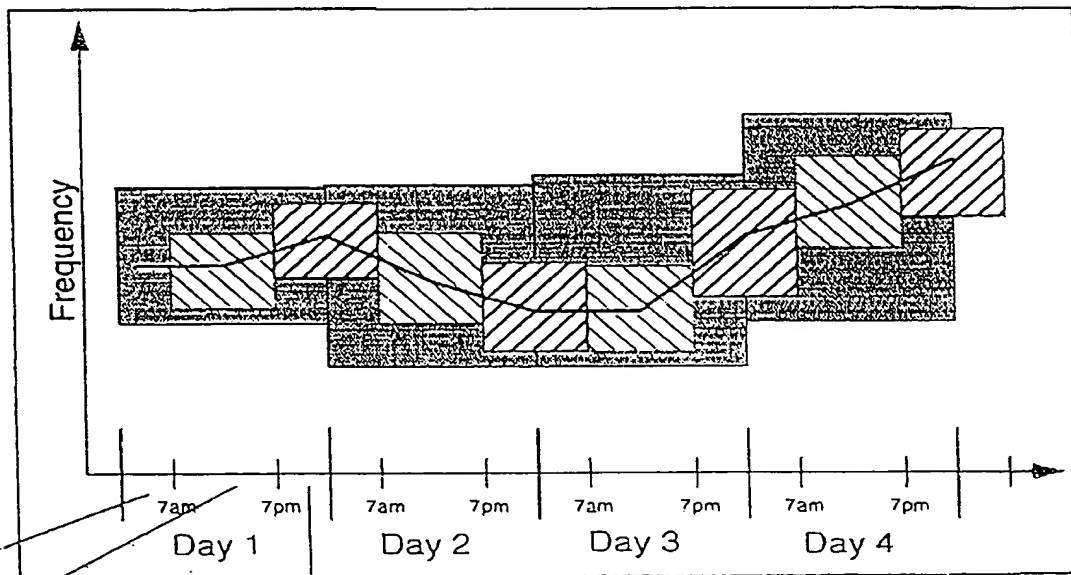


FIGURE 13

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Profile Field No.	Attribute	Coverage Time Period	Type	Range
1	% Local		float	0.00—1.00
2	% National		float	0.00—1.00
3	% International		float	0.00—1.00
4	Total Number of Calls		float	N/A
5	Average Duration		float (number of seconds)	N/A
6	Number of Long Calls		float	N/A
7	No. of Call Forwards		float	N/A
8	% Monday	00:00:00—23:59:59	float	0.00—1.00
9	% Tuesday	00:00:00—23:59:59	float	0.00—1.00
10	% Wednesday	00:00:00—23:59:59	float	0.00—1.00
11	% Thursday	00:00:00—23:59:59	float	0.00—1.00
12	% Friday	00:00:00—23:59:59	float	0.00—1.00
13	% Saturday	00:00:00—23:59:59	float	0.00—1.00
14	% Sunday	00:00:00—23:59:59	float	0.00—1.00
15	% 7am -> 7pm Monday	07:00:01—19:00:00	float	0.00—1.00
16	% 7pm Monday -> 7am Tuesday	19:00:01—07:00:00	float	0.00—1.00
17	% 7am -> 7pm Tuesday	07:00:01—19:00:00	float	0.00—1.00
18	% 7pm Tuesday -> 7am Wednesday	19:00:01—07:00:00	float	0.00—1.00
19	% 7am -> 7pm Wednesday	07:00:01—19:00:00	float	0.00—1.00
20	% 7pm Wednesday -> 7am Thursday	19:00:01—07:00:00	float	0.00—1.00
21	% 7am -> 7pm Thursday	07:00:01—19:00:00	float	0.00—1.00
22	% 7pm Thursday -> 7am Friday	19:00:01—07:00:00	float	0.00—1.00
23	% 7am -> 7pm Friday	07:00:01—19:00:00	float	0.00—1.00
24	% 7pm Friday -> 7am Saturday	19:00:01—07:00:00	float	0.00—1.00
25	% 7am -> 7pm Saturday	07:00:01—19:00:00	float	0.00—1.00
26	% 7pm Monday -> 7am Sunday	19:00:01—07:00:00	float	0.00—1.00
27	% 7am -> 7pm Sunday	07:00:01—19:00:00	float	0.00—1.00
28	% 7pm Monday -> 7am Monday	19:00:01—07:00:00	float	0.00—1.00

FIGURE 12

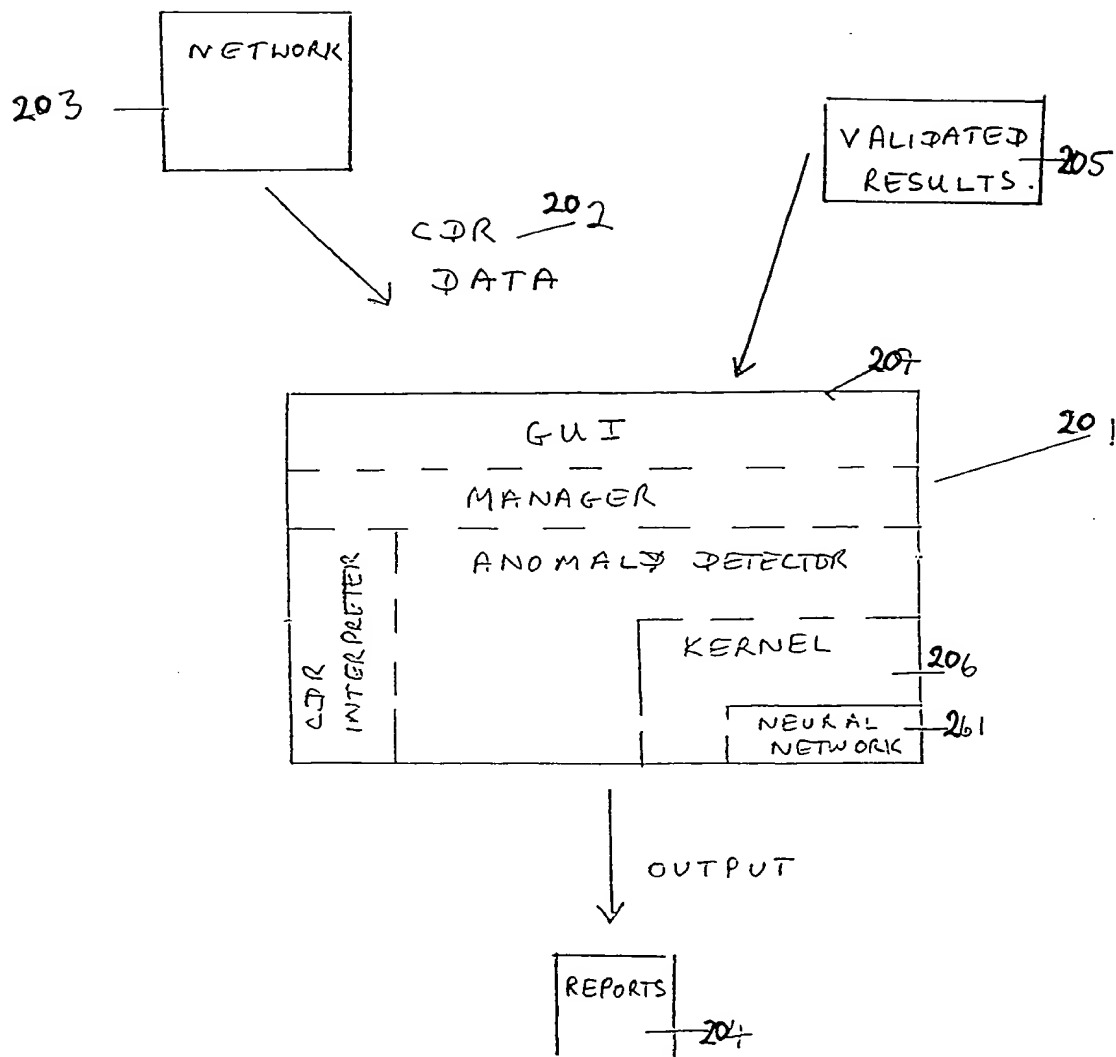


FIGURE 14

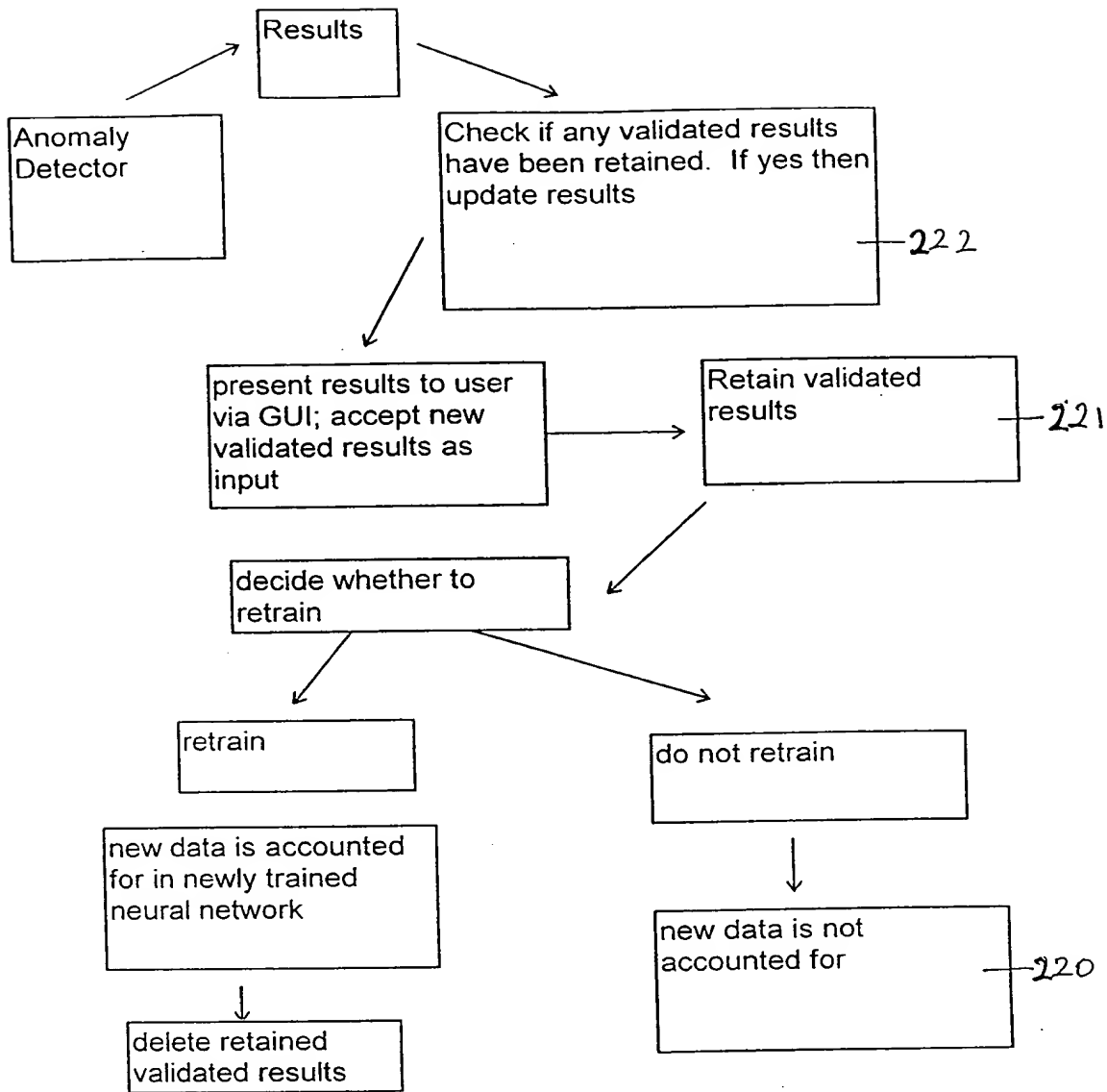
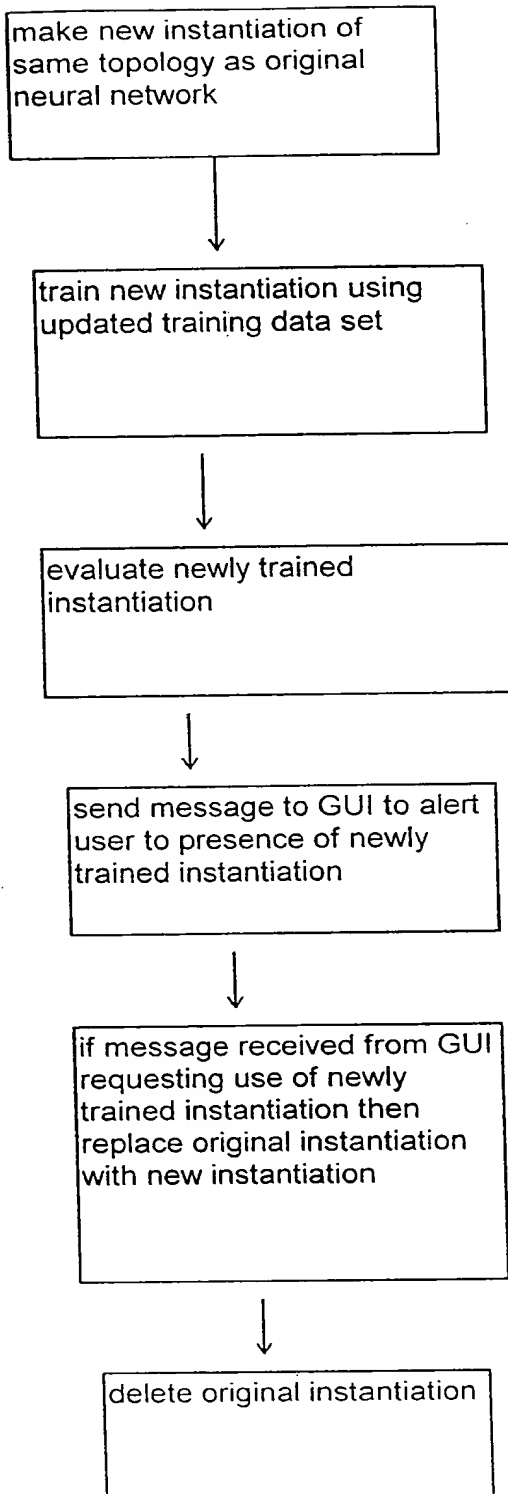


FIGURE 15



FIGURE

Year	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

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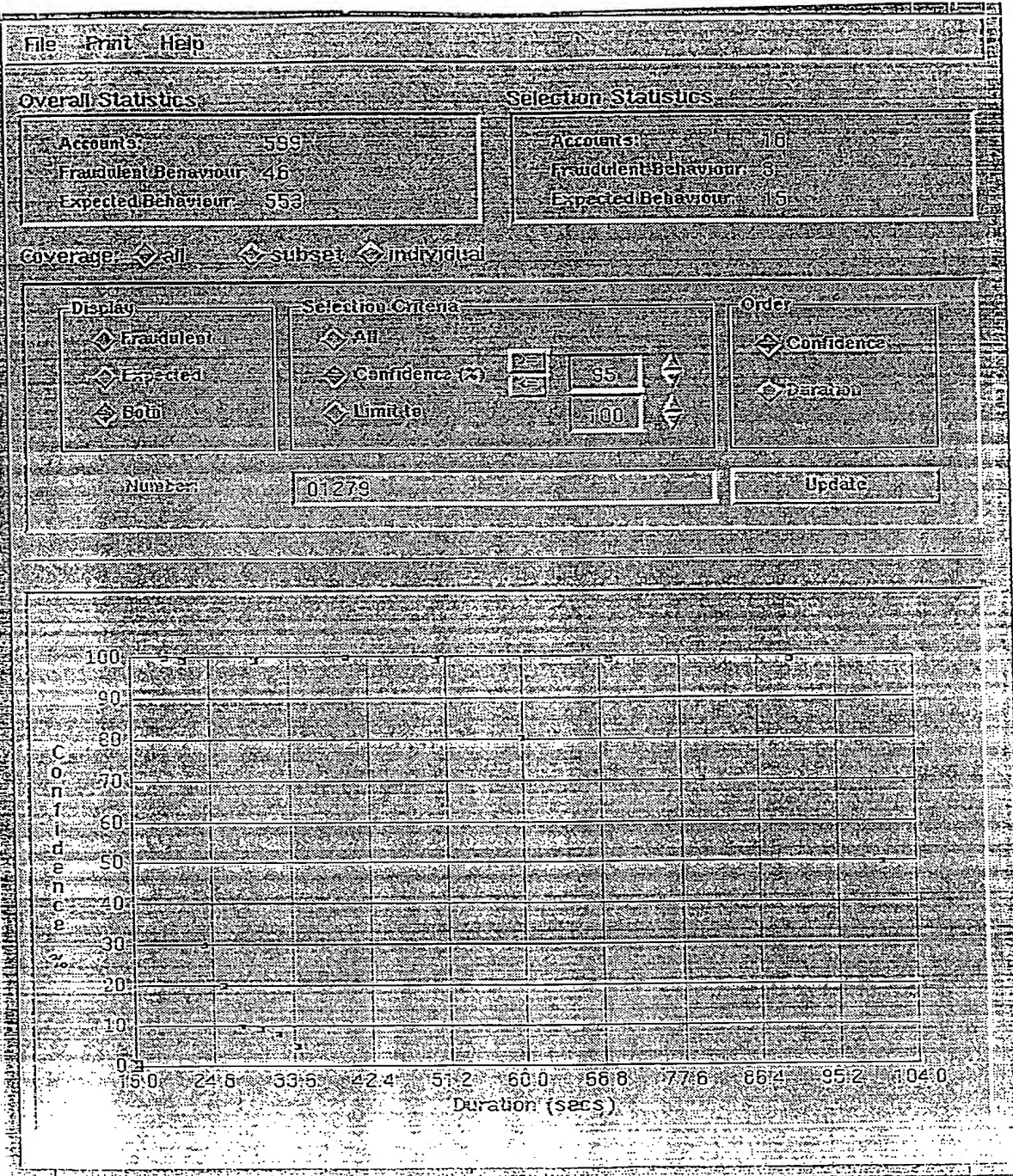


FIGURE 18